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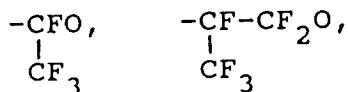
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㉕ **Process for the separation of the non, mono and bifunctional species in perfluoropolyoxyalkylenes.**

㉖ A process for separating, or enriching, in non-functional, monofunctional and bifunctional species the perfluoropolyoxyalkylenes of formula (I): $Z - O - Rf - Y$ where

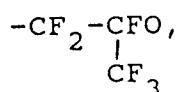
Rf = a perfluoropolyoxyalkylene chain comprising one or more monomeric units of formula



CFXO (X = F, CF_3), and optionally also units ($-\text{CF}_2\text{CF}_2\text{O}-$);

Z, Y, like or different from each other, are non-functional groups or functional groups – OH, with at least Z or Y in part of such perfluoropolyoxyalkylenes being or containing an – OH group,

which consists in subjecting said perfluoropolyoxyalkylenes to column chromatography using, as eluents, non-polar fluorinated solvents, either alone or in admixture with polar solvents.





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EP 92 11 8009
Page 1

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<p>CHEMICAL ABSTRACTS, vol. 111, no. 9, 1989, Columbus, Ohio, US; abstract no. 74216g,</p> <p>VANDEN HEUVEL ET AL 'Isolation and purification of perfluorodecanoic and perfluoroctanoic acids from rat tissues' page 395 ;</p> <p>* abstract *</p> <p>& LIPIDS</p> <p>vol. 24, no. 6, 1989, pages 526 - 31</p> <p>---</p>	1,5	C08G65/30 B01D15/08
A	<p>CHEMICAL ABSTRACTS, vol. 79, no. 13, 1973, Columbus, Ohio, US; abstract no. 146940j,</p> <p>VAKHTINA I.A. ET AL 'Separation of polyoxypropylene glycols by t.l.c.' page 6 ;</p> <p>* abstract *</p> <p>& ZH. ANAL. KHIM.</p> <p>vol. 28, no. 8, pages 1625 - 8</p> <p>---</p>	1	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	<p>CHEMICAL ABSTRACTS, vol. 112, no. 20, 1990, Columbus, Ohio, US; abstract no. 180283,</p> <p>HUES ET AL 'Effect of hydrogen substitution on the mass spectrometry and size exclusion chromatography of perfluorinated polyether fluids' page 30 ;</p> <p>* abstract *</p> <p>& ANAL. CHEM.</p> <p>vol. 62, no. 10, 1990, pages 1074 - 9</p> <p>---</p> <p>---</p>	1	C08G B01D
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	17 MARCH 1993	O'SULLIVAN T.P.	
CATEGORY OF CITED DOCUMENTS		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>	
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>			



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	DATABASE WPIL Derwent Publications Ltd., London, GB; AN 82-67145E(32) & JP-A-57 108 064 (SAGAMI CHEM RES CENTRE) 5 July 1982 * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
<p>The present search report has been drawn up for all claims</p>			
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CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			